

Title (en)  
BURNER WITH LOW-TEMPERATURE CAP

Title (de)  
BRENNER MIT NIEDERTEMPERATUR-DECKEL

Title (fr)  
BRÛLEUR À CHAPEAU À BASSE TEMPÉRATURE

Publication  
**EP 4206530 A1 20230705 (EN)**

Application  
**EP 23157240 A 20200305**

Priority  
• IT 201900003371 A 20190308  
• EP 20717554 A 20200305  
• EP 2020055933 W 20200305

Abstract (en)  
A burner (300) comprises a body (1) suitable for containing at least one injector (2), a crown (3) disposed on the body (1), and a cap (4) disposed on the crown (3). The geometrical structure of the crown (3) and of the cap (4) is such to stabilize the flames with a minimum contact between the flames and the cap, in such a way to minimize the temperature of the cap when the burner is used.

IPC 8 full level  
**F23D 14/04** (2006.01)

CPC (source: CN EP US)  
**F23D 14/02** (2013.01 - CN); **F23D 14/04** (2013.01 - EP US); **F23D 14/46** (2013.01 - CN); **F23D 14/58** (2013.01 - EP US);  
**F23D 14/72** (2013.01 - CN US); **F23D 2900/14062** (2013.01 - US)

Citation (applicant)  
EP 3094925 A1 20161123 - DEFENDI ITALY SRL [IT]

Citation (search report)  
• [A] WO 2015107448 A1 20150723 - DEFENDI ITALY SRL [IT]  
• [A] US 4891006 A 19900102 - LE MONNIER DE GOUVILLE JEAN-BE [FR], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**WO 2020182631 A1 20200917**; BR 112021017696 A2 20211116; CL 2021002339 A1 20220610; CN 113574319 A 20211029;  
EP 3935313 A1 20220112; EP 3935313 B1 20231004; EP 3935313 C0 20231004; EP 4206530 A1 20230705; MX 2021010789 A 20211001;  
US 11933492 B2 20240319; US 2022170630 A1 20220602

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**EP 2020055933 W 20200305**; BR 112021017696 A 20200305; CL 2021002339 A 20210907; CN 202080019817 A 20200305;  
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